



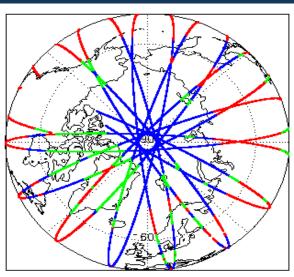
# 1. Overview

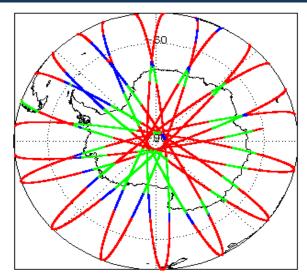
Report Production:	09-Apr-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

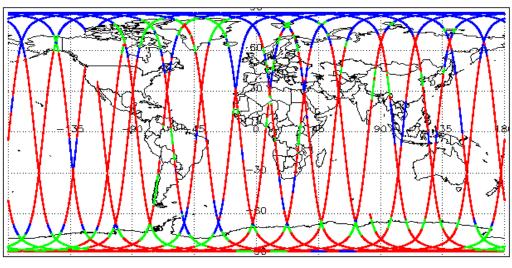
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

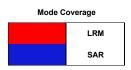
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# 2. Global Coverage









# 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use: SIRAL - A

# 4. IOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

0

## 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

#### 4.3 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

### 4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

#### 4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180405T030615_20180405T030708_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180405T064002_20180405T070026_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180405T122259_20180405T125148_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180405T205804_20180405T210727_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180405T215336_20180405T215533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T031825_20180405T031940_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T044152_20180405T044301_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T062412_20180405T062818_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T094416_20180405T094627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T153635_20180405T153954_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T194523_20180405T195013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T215626_20180405T220226_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180405T230344_20180405T230938_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180405T062818_20180405T063539_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180405T063704_20180405T064002_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180405T093910_20180405T094034_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180405T144845_20180405T145347_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180405T193256_20180405T193533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180405T202351_20180405T202905_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. IOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

## 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Number of products with errors:

## 5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Company   Comp	Product	Test Failed	Description
Description			The Ocean Range Averaging Status Flag has been set for one or more
Display Deligned 2 proteochronous 2 prot	CS_OFFL_SIR_IOPM_2_20180405T004204_20180405T004632_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
December	CS_OFFL_SIR_IOPM_2_20180405T004930_20180405T011608_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Commission   The Comm	CS_OFFL_SIR_IOPM_2_20180405T014349_20180405T015819_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
The Continue of the Continue	CS_OFFL_SIR_IOPM_2_20180405T020355_20180405T021555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Co. (1971)S. (1974_2_20)_000001511104200_201040_20101  Open Regar Averaging Status.  The Count Regar Averaging Status in pile state and for own or most conductive control of the County Regard Status.  The Count Regar Averaging Status in pile state and for own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive control of the County Regard Averaging Status.  The County Regard Averaging Status in pile state and effort own or most conductive conducti	CS_OFFL_SIR_IOPM_2_20180405T022119_20180405T022710_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Co. (CH. 1981) (CH. 2.) 20100001001002 20190001003003 (CO)  CO (CH. 1981) (CH. 2.) 20100001001002 20190001003003 (CO)  CO (CH. 1981) (CH. 2.) 20100001001002 20190001003003 (CO)  CO (CH. 1981) (CH. 2.) 20100001001010 20190001003003 (CO)  CO (CH. 1981) (CH. 2.) 20100000100101 (L.) 20100001003003 (CO)  CO (CH. 1981) (CH. 2.) 2010000010003 (CH. 2.) 201000001003003 (CO)  CO (CH. 1981) (CH. 2.) 20100000100303 (CO)  CO	CS_OFFL_SIR_IOPM_2_20180405T022836_20180405T024944_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Dec. (PERS, CHINE), 2018/2018/2018/2018/2018/2018/2018/2018/	CS_OFFL_SIR_IOPM_2_20180405T024956_20180405T025509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Co.CH. Jish JONA 2, 2018405110015 20190001101002 CO.D.  Co.CH. Jish JONA 2, 20184051001015 20190001101002 CO.D.  Co.CH. Jish JONA 2, 2018405100401 20190001101002 CO.D.  Co.CH. Jish JONA 2, 2018405100400 2019000110000 CO.D.  Co.CH. Jish JONA 2, 2018405100400 CO.D.  Co.CH. Jish JONA 2, 20184051004000 CO.D.  Co.CH. Jish JONA 2, 2018405100400 CO.D.  Co.CH. Jish JONA 2, 201840510000 CO.D.  Co.CH. Jish JONA 2, 201840510000 CO.D.  Co.	CS_OFFL_SIR_IOPM_2_20180405T031940_20180405T035453_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Co.	CS OFFL SIR IOPM 2 20180405T040026 20180405T040541 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
COUNT_SIT_OPM_2_2010045T04331_2010045T04450_COID  COID Flags _CPM_2 _STIT0045T04331_2010045T054350_COID  COID Flags _CPM_2 _STIT0045T04331_2010045T054350_COID  COID Flags _CPM_2 _STIT0045T054300_COID Flags _CPM_2 _STIT0045T054	CS OFFL SIR IOPM 2 20180405T040716 20180405T041024 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Company   1999			The Ocean Range Averaging Status Flag has been set for one or more
Co. CPTL_SRI_LOPM_2_contended software processes.  Co. CP		Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CB_OPT_SRI_OPT_2_21160467103114_2016045705335_0001  CB_OPT_SRI_OPT_2_2116046710312_2016045705355_0001  CB_OPT_SRI_OPT_2_2116046710312_2016045705355_0001  CB_OPT_SRI_OPT_2_2116046710312_2016045705355_0001  CB_OPT_SRI_OPT_2_2116046710312_2016045705355_0001  CB_OPT_SRI_OPT_2_2116046710312_2016045705355_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457057135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_2016045705135_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457051355_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457051355_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457051355_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457051355_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457051355_0001  CB_OPT_SRI_OPT_2_21160467103693_20160457051355_0001  CB_OPT_SRI_OPT_2_2116046710363_2016045705355_0001  CB_OPT_SRI_OPT_2_2116046710363_2016045710535_0001  CB_OPT_SRI_OPT_2_2116046710363_2016045710535_0001  CB_OPT_SRI_OPT_2_2116046710363_2016045710535_0001  CB_OPT_SRI_OPT_2_2116046710363_			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFT_SR_IOPM_2_20160005T05002_20100005T05002_001  CR_OFT_SR_IOPM_2_20160005T050012_20100005T050012_001  CR_OFT_SR_IOPM_2_20160005T050012_20100005T050012_001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_OFT_SR_IOPM_2_20160005T050012_0010005C001  CR_IOPT_SR_IOPM_2_20160005T0700012_0010  CR_IOPT_SR_IOPM_2_20160005T0700012_0010  CR_IOPT_SR_IOPM_2_20160005T0700012_0010  CR_IOPT_SR_IOPM_2_20160005T0700012_0010  CR_IOPT_SR_IOPM_2_20160005T0700012_0010  CR_IOPT_SR_IOPM_2_20160005T0700012_001005C00100000005C00100000000000000000			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_JOPM_2_20180405106401_201804051064042_0011  CS_OFFL_SIR_JOPM_2_20180405106013_201804051065805_0011  CS_OFFL_SIR_JOPM_2_20180405106013_20180405106105050505001  CS_OFFL_SIR_JOPM_2_20180405106013_201804051071025_0011  CS_OFFL_SIR_JOPM_2_201804051070003_201804051071025_0011  CS_OFFL_SIR_JOPM_2_201804051070033_201804051071025_0011  CS_OFFL_SIR_JOPM_2_201804051070033_20180405107000000000000000000000000000000000			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_OPM_2_20180405T00415_20180405T00955_C001  CS_OFFL_SIR_OPM_2_20180405T009137_20180405100405_C0014  CS_OFFL_SIR_OPM_2_20180405T009137_20180405100405_C0014  CS_OFFL_SIR_OPM_2_20180405T004002_0180405T07028_C001  CS_OFFL_SIR_OPM_2_20180405T074002_0180405T07028_C0014  CS_OFFL_SIR_OPM_2_20180405T074002_0180405T07028_C0014  CS_OFFL_SIR_OPM_2_20180405T074002_0180405T07222_0014  CS_OFFL_SIR_OPM_2_20180405T074002_0180405T072002_0014  CS_OFFL_SIR_OPM_2_20180405T074002_0180405T072002_0014  CS_OFFL_SIR_OPM_2_20180405T072003_0180405T000340_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000340_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000340_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000340_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000340_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000350_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000350_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000350_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000350_0014  CS_OFFL_SIR_OPM_2_20180405T000350_0180405T000350_0014  CS_OFFL_SIR_OPM_2_20180405T100350_0140505100350_0014  CS_OFFL_SIR_OPM_2_20180405T100350_00140505100350_0014  CS_OFFL_SIR_OPM_2_20180405T100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_00140505100350_0			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_OPM_2_201804057000137_201804057000862_CO01  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  SC_OFFL_SIR_OPM_2_20180405700032_20180405707028_CO01  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Statu			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_JOPM_2_20180405T004043_20180405T070402_C001  CS_OFFL_SIR_JOPM_2_20180405T070403_70180405T07022_C001  CS_OFFL_SIR_JOPM_2_20180405T070403_70180405T07022_C001  CS_OFFL_SIR_JOPM_2_20180405T070403_70180405T07022_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070422_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070422_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070422_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070428_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070428_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070428_C001  CS_OFFL_SIR_JOPM_2_20180405T070404_20180405T070402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080402_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T080403_C001  CS_OFFL_SIR_JOPM_2_20180405T1080403_C001  CS_OFFL_SIR_JOPM_2_20180405T1080403_C001  CS_OFFL_SIR_JOPM_2_20180405T1080403_C001  CS_OFFL_SIR_JOPM_2_20180405T1080403_C00180405T1080403_C001  CS_OFFL_SIR_JOPM_2_20180405T1040403_C00180405T1040403_C001  CS_OFFL_SIR_JOPM_2_20180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040403_C00180405T1040405T1040405T1040403_C00180405T104			
CS_OFFL_SIR_JOPM_2_201804051070032_0190405107022_COID Cean Range Averaging Status Find Cozan Range Averaging Status Find Range Averaging Status			
CS_OFFL_SIT_OPM_2_20180405107400_20180405107325_C001  CS_OFFL_SIR_OPM_2_201804051071400_20180405107325_C001  CS_OFFL_SIR_OPM_2_201804051071400_20180405107325_C001  CS_OFFL_SIR_OPM_2_201804051071400_20180405107325_C001  CS_OFFL_SIR_OPM_2_201804051071400_201804051073221_C001  CS_OFFL_SIR_OPM_2_201804051071400_201804051073221_C001  CS_OFFL_SIR_OPM_2_20180405107327_201804051080500_C001  CS_OFFL_SIR_OPM_2_201804051080600_201804051080500_C001  CS_OFFL_SIR_OPM_2_201804051080600_2018040510805340_C001  CS_OFFL_SIR_OPM_2_201804051080500_2018040510805340_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_201804051085350_C001  CS_OFFL_SIR_OPM_2_201804051080500_20180405103333_C001  CS_OFFL_SIR_OPM_2_2018040510180530_201804051103333_C001  CS_OFFL_SIR_OPM_2_2018040511018053_201804051103333_C001  CS_OFFL_SIR_OPM_2_2018040511018053_201804051103333_C001  CS_OFFL_SIR_OPM_2_2018040511018053_20180405110333_C001  CS_OFFL_SIR_OPM_2_2018040511018053_20180405110333_C001  CS_OFFL_SIR_OPM_2_2018040511018053_20180405111180_C001  CS_OFFL_SIR_OPM_2_2018040511018053_201804051118050_C001  CS_OFFL_SIR_OPM_2_2018040511018030_201804051118050_C001  CS_OFFL_SIR_OPM_2_2018040511018030_201804051118050_C001  CS_OFFL_SIR_OPM_2_2018040511018030_201804051118050_C001  CS_OFFL_SIR_OPM_2_2018040511018030_201804051118050_C001  CS_OFFL_SIR_OPM_2_201804051118050_201804051118050_C001  CS_OFFL_SIR_OPM_2_201804051118050_201804051118050_C001  CS_OFFL_SIR_OPM_2_201804051118050_201804051118050_C001  CS_OFFL_SIR_OPM_2_201804051118050_201804051118050_C001  CS_OFFL_SIR_OPM_2_201804051118050_201804051118050_C001  CS_OFFL_SIR_OPM_2_201804051118050_20180405118050_C001  CS_OFFL_SIR_OPM_2_2018040511			records.
CS_OFFL_SIR_JOPM_2_201804051707404_201804051707825_C001  CS_OFFL_SIR_JOPM_2_201804051707404_201804051707221_C001  CS_OFFL_SIR_JOPM_2_201804051707404_201804051707221_C001  CS_OFFL_SIR_JOPM_2_201804051707404_201804051707221_C001  CS_OFFL_SIR_JOPM_2_201804051707404_201804051707221_C001  CS_OFFL_SIR_JOPM_2_201804051707412_201804051708002_C001  CS_OFFL_SIR_JOPM_2_201804051707412_201804051708002_C001  CS_OFFL_SIR_JOPM_2_201804051707412_201804051708002_C001  CS_OFFL_SIR_JOPM_2_201804051708002_001804051708002_C001  CS_OFFL_SIR_JOPM_2_201804051708002_001804051708002_C001  CS_OFFL_SIR_JOPM_2_2018040517080000000000000000000000000000000000			records.
CS_OFFL_SIR_JOPM_2_20180405T071944_20180405T072221_C001  Ice Range Averaging Status  CS_OFFL_SIR_JOPM_2_20180405T073027_20180405T08032_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging S			
CS_OFFL_SRL_JOPM_2_20180405T073027_20180405T080303_C001  CS_OFFL_SRL_JOPM_2_20180405T073032_20180405T080303_C001  CS_OFFL_SRL_JOPM_2_20180405T080408_20180405T080632_C001  CS_OFFL_SRL_JOPM_2_20180405T080408_20180405T080632_C001  CS_OFFL_SRL_JOPM_2_20180405T080408_20180405T080632_C001  CS_OFFL_SRL_JOPM_2_20180405T080508_20180405T080540_C001  CS_OFFL_SRL_JOPM_2_20180405T080508_20180405T080540_C001  CS_OFFL_SRL_JOPM_2_20180405T080508_20180405T080540_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T080532_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T080532_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T080532_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T080532_20180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T080522_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T08052_0180405T08055_C001  CS_OFFL_SRL_JOPM_2_20180405T105052_0180405T109052_01			
CS_OFFL_SIR_IOPM_2_20180405T074312_0180405T082002_C01  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T080320_C001  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T0803406_C001  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T0803406_C001  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T0803406_C001  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T0803406_C001  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T0803406_C001  CS_OFFL_SIR_IOPM_2_20180405T082002_20180405T0803406_C001  CS_OFFL_SIR_IOPM_2_20180405T0803202_20180405T0805822_C001  CS_OFFL_SIR_IOPM_2_20180405T0803202_20180405T0805822_C001  CS_OFFL_SIR_IOPM_2_20180405T0803202_20180405T0805822_C001  CS_OFFL_SIR_IOPM_2_20180405T0803202_20180405T0805822_C001  CS_OFFL_SIR_IOPM_2_20180405T080405T0803303_C001  COcean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T08405T0803303_C001  COcean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T10405T103031_C001  CS_OFFL_SIR_IOPM_2_20180405T10405T103031_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T1090312_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T1090312_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T1090312_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T1090312_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T1090312_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T104320_20180405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T104520_20180405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T104520_20180405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T1045200_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T104520_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T1045200_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109031_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109032_C001  CS_OFFL_SIR_IOPM_2_20180405T10321_0010405T109032_C001  CS_OFFL_SIR_IOPM_2_20180			records.
CS_OFFL_SIR_JOPM_2_20180405T080408_20180405T080402_C001  Ce Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag			records.
CS_OFFL_SIR_IOPM_2_20180405T080405708352_0001  CS_OFFL_SIR_IOPM_2_20180405T080522_0010  CS_OFFL_SIR_IOPM_2_20180405T080552_00180405T080553_0010  CS_OFFL_SIR_IOPM_2_20180405T080552_00180405T080553_0010  CS_OFFL_SIR_IOPM_2_20180405T080532_00180405T080553_0001  CS_OFFL_SIR_IOPM_2_20180405T080532_00180405T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T080532_00180405T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T080532_00180405T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T080532_00180406T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T101542_00180406T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T101542_00180406T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180406T080533_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180406T080540_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180406T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180406T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180406T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103752_0001  CS_OFFL_SIR_IOPM_2_20180405T10374_00180405T103740_000180405T1037			records.
CS_OFFL_SIR_IOPM_2_20180405T083550_20180405T085820_C001  CS_OFFL_SIR_IOPM_2_20180405T085350_20180405T085822_C001  CS_OFFL_SIR_IOPM_2_20180405T085350_20180405T085832_C001  CS_OFFL_SIR_IOPM_2_20180405T085350_20180405T085832_C001  CS_OFFL_SIR_IOPM_2_20180405T085350_20180405T091555_C001  CS_OFFL_SIR_IOPM_2_20180405T090735_20180405T091555_C001  CS_OFFL_SIR_IOPM_2_20180405T090735_20180405T091555_C001  CS_OFFL_SIR_IOPM_2_20180405T090735_20180405T103533_C001  CS_OFFL_SIR_IOPM_2_20180405T10542_20180405T103533_C001  CS_OFFL_SIR_IOPM_2_20180405T103230_20180405T103733_C001  CS_OFFL_SIR_IOPM_2_20180405T103230_20180405T103733_C001  CS_OFFL_SIR_IOPM_2_20180405T103230_20180405T103735_C001  CS_OFFL_SIR_IOPM_2_20180405T103340_20180405T103752_C001  CS_OFFL_SIR_IOPM_2_20180405T10353_20180405T111758_C001  CS_OFFL_SIR_IOPM_2_20180405T10352_20180405T1103752_C001  CS_OFFL_SIR_IOPM_2_20180405T114758_20180405T120101_C001  CS_OFFL_SIR_IOPM_2_20180405T112320_20180405T120101_C001  CS_OFFL_SIR_IOPM_2_20180405T12172_20180405T120101_C001  CS_OFFL_SIR_IOPM_2_20180405T12172_20180405T120540_C001  CS_OFFL_SIR_IOPM_2_20180405T120530_20180405T120540_C001  CS_OFFL_SIR_IOPM_2_20180405T120530_20180405T120540_C001  CS_OFFL_SIR_IOPM_2_20180405T120530_20180405T120540_C001  CS_OFFL_SIR_IOPM_2_20180405T12059_20180405T120540_C001  CS_OFFL_SIR_IOPM_2_20180405T12059_20180405T134333_C001  CCS_OFFL_SIR_IOPM_2_20180405T132315_20180405T12548_C001  CCS_OFFL_SIR_IOPM_2_20180405T132315_20180405T134803_C001  CCS_OFFL_SIR_IOPM_2_20180405T135103_20180405T136355_C001  CCS_OFFL_SIR_IOPM_2_20180405T135102_20180405T136355_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			records.
CS_OFF_SIR_OPM_2_201804057108329_2018040571085822_201804057085822_C001  CS_OFF_SIR_OPM_2_20180405709325_201804057091555_C001  Ocean Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057103242_201804057103333_C001  Ocean Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057101542_201804057103333_C001  CS_OFF_SIR_OPM_2_2018040571013239_201804057103332_C001  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057103333_C001  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057103333_2001804057111758_C001  CS_OFF_SIR_OPM_2_201804057114535_201804057111758_C001  Ocean Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_2018040571121320_201804057121011_C001  Ocean Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057121320_201804057121649_C001  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057121320_2018040571251462_C001  The Cocan Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_OPM_2_201804057121325_201804057134333_C001  CC_OEAN Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.			records.
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Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T10542_20180405T10333_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T10339_20180405T10373_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T10373_20180405T10373_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T10433_20180405T111758_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T114536_20180405T121011_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T12320_20180405T121040_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T12712_20180405T12040_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T125148_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T125152525_20180405T125148_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T134933_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T135603_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T13503_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The O			records.
CS_OFFL_SIR_IOPM_2_20180405T10542_20180405T10333_C001  CS_OFFL_SIR_IOPM_2_20180405T10333_C01510542_20180405T10333_C01510542_20180405T10333_C01510542_20180405T10333_C01510542_20180405T10333_C01510542_20180405T10333_C01510542_20180405T10333_C01610542_20180405T103740_C0180405T103752_C001  CS_OFFL_SIR_IOPM_2_20180405T104353_20180405T11758_C001  CS_OFFL_SIR_IOPM_2_20180405T104353_20180405T11758_C001  CS_OFFL_SIR_IOPM_2_20180405T114536_C0180405T121011_C001  CS_OFFL_SIR_IOPM_2_20180405T114536_C0180405T121011_C001  CS_OFFL_SIR_IOPM_2_20180405T12320_20180405T121049_C001  CS_OFFL_SIR_IOPM_2_20180405T12712_20180405T122040_C001  CS_OFFL_SIR_IOPM_2_20180405T122559_C0180405T125148_C001  CS_OFFL_SIR_IOPM_2_20180405T123215_C0180405T125148_C001  CS_OFFL_SIR_IOPM_2_20180405T132315_C0180405T125148_C001  CS_OFFL_SIR_IOPM_2_20180405T132315_C0180405T13503_C010  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T13503_C010  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T13503_C010  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T14155_C010  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T15303_C001  CS_OFFL_SIR_IOPM_2_20180405T15301_20180405T15305_C001  CS_OFFL_SIR_IOPM_2_20180405T15301_20180405T15305_C001  CS_OFFL_SIR_IOPM_2_20180405T15301_20180405T16554_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T16504_C001  CS_OFFL_SIR_IOP			records.
CS_OFFL_SIR_IOPM_2_20180405T103233_20180405T103733_C0011			records.
CS_OFFL_SIR_IOPM_2_20180405T103730_20180405T103752_C001  CS_OFFL_SIR_IOPM_2_20180405T103754_20180405T103752_C001  CS_OFFL_SIR_IOPM_2_20180405T103754_20180405T11758_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T121320_20180405T121649_C001  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T121712_20180405T122040_C001  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T122549_20180405T125148_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T14951_20180405T149531_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T14951_20180405T14951_20180405T14951_20180405T14951_20180405T14951_20180405T14951_20180405T14951_20180405T14951_20180405T14951_20180405T16540_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has bee			records.
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CS_OFFL_SIR_IOPM_2_20180405T114536_20180405T121011_C001  CS_OFFL_SIR_IOPM_2_20180405T121320_20180405T121011_C001  CS_OFFL_SIR_IOPM_2_20180405T121320_20180405T121049_C001  Ice Range Averaging Status  Ine Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T132315_20180405T134933_C001  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T135603_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T1447731_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T1453635_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T16554_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T16554_C001  CS_OFFL_SIR_IOPM_2_20180405T164166_20180405T16554_C001  CS_OFFL_SIR_IOPM_2_20180405T164166_20180405T16554_C001  CCEAN Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been se	CS_OFFL_SIR_IOPM_2_20180405T103740_20180405T103752_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T121320_20180405T121649_C001  Loe Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T122259_20180405T125148_C001  CS_OFFL_SIR_IOPM_2_20180405T132315_20180405T132305_2001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T163046_C001  Coean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T154405_20180405T163046_C001  Coean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging		Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T121712_20180405T12184B_C001  CS_OFFL_SIR_IOPM_2_20180405T122259_20180405T122148_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for	CS_OFFL_SIR_IOPM_2_20180405T114536_20180405T121011_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T12259_20180405T125148_C001  CS_OFFL_SIR_IOPM_2_20180405T132315_20180405T134933_C001  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T134933_C001  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T135603_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T152301_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T152939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170841_C001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T17001_20180405T17001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T17001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T17001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T17001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170001  CCS_OFFL_SIR_IOPM_2_20180405T17001_20180405T170001  CCS_OF	CS_OFFL_SIR_IOPM_2_20180405T121320_20180405T121649_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T132315_20180405T132315_20180405T132315_20180405T132315_20180405T132315_20180405T132315_20180405T132315_20180405T132315_20180405T13230_C001  CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T135603_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T163635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171030_C001  CCRAMBER Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range	CS_OFFL_SIR_IOPM_2_20180405T121712_20180405T122040_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T13203_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T1413731_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715528_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715528_C001  CC_OCEAN Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or	CS_OFFL_SIR_IOPM_2_20180405T122259_20180405T125148_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T164005T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164005T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164005T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T170051_20180405T171530_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T170528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1715528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T170528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T170528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T170528_C001  CCS_OFFL_SIR_IOPM_2_20180405T170051_20180405T1	CS_OFFL_SIR_IOPM_2_20180405T132315_20180405T134933_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T164057_163046_C001  CS_OFFL_SIR_IOPM_2_20180405T1640939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17021_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T17021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T17021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T17021_20180405T175528_C001  CCS_OFFL_SIR_IOPM_2_20180405T17051_20180405T175528_C001  CCS_OFFL_SIR_IOPM_2_20180405T17051_20180405T17051_20180405T1705	CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T135603_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001  CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T16405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164091_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715528_C001  CC_CORN_Range_Averaging_Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T153635_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T164146_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1	CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001  CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715528_C001  CS_OFFL_SIR_IOPM_2_20180405T172051_20180405T175528_C001	CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001  CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T1715538_C001	CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201804051162939_201804051163046_C001  CS_OFFL_SIR_IOPM_2_201804051164901_201804051170841_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_	CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180405T170041_C001	CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201804051171021_201804051171530_C001 Ice Range Averaging Status records.  CS_OFFL_SIR_IOPM_2_201804051171021_201804051171530_C001 Ice Range Averaging Status records.  The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001	Ice Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180405T172051_20180405T175528_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_IOPM_2_20180405T182006_20180405T182433_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T182522_20180405T184302_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T184604_20180405T184704_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T190122_20180405T191855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T192335_20180405T193047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T195044_20180405T200817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T200948_20180405T202351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T203141_20180405T203344_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T203447_20180405T203846_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T204024_20180405T205603_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T210727_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T214628_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T220226_20180405T220639_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T220945_20180405T221748_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T234551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235632_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180405T121706_20180405T121712_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T093910_20180405T094034_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T153954_20180405T154146_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T163729_20180405T164008_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T191855_20180405T192335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

**SWH Averaging Status Flag:** This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

 $\textbf{Ice Backscatter Averaging Status Flag:} \ This \ flag \ is \ currently \ set \ for \ products \ over \ land, \ but \ this \ is \ to \ be \ expected.$ 

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180405T001015_20180405T003659_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T004204_20180405T004632_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T004930_20180405T011608_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T014349_20180405T015819_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T020355_20180405T021555_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T022119_20180405T022710_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T022836_20180405T024944_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T024956_20180405T025509_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T030615_20180405T030708_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T031940_20180405T035453_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T040026_20180405T040541_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T040716_20180405T041024_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T041224_20180405T041530_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T044301_20180405T044544_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T045949_20180405T050828_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T051114_20180405T053353_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T053902_20180405T054026_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T054034_20180405T054442_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T054618_20180405T055950_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180405T060137_20180405T060855_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

SO CHILL BRITE DE LE SENSIA SERVICIA SERVICIA DE LA CONTRETA DE LA			
Communication   Description	CS_OFFL_SIR_IOPM_2_20180405T062213_20180405T062232_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CEPT, BIT OFF 12 DISMATTERS 2018MEST 1992 2019MEST 1992 20	CS_OFFL_SIR_IOPM_2_20180405T064002_20180405T070026_C001		
Company Control (1997) and an extension of the control of the cont	CS_OFFL_SIR_IOPM_2_20180405T070033_20180405T071225_C001		
CO. CHI. SEL, DEM. 2, 2018000178102, 20180000780005, CORD  CO. CHI. SEL, DEM. 2, 2018000178102, 2018000780005, CO	CS_OFFL_SIR_IOPM_2_20180405T071400_20180405T071925_C001	Ice Backscatter Averaging Status	
Decoration Amening States (Page 1997) Section (Page 2997) Section Amening States (Page 1997) Section (Page 2997) Section (Page	CS_OFFL_SIR_IOPM_2_20180405T071944_20180405T072221_C001	Ice Backscatter Averaging Status	
Sec. OFF. 2010. CRIST J. 2010.000117010 2 2010.000117010	CS_OFFL_SIR_IOPM_2_20180405T073027_20180405T074258_C001		The SWH and Ocean Averaging Status Flags have been set for one or
CE CEPTE ARE (COMP 2 2018-04007000000 2018-04007000000 CEOP  CE CEPTE ARE (COMP 2 2018-04007000000 2018-0400700000 CEOP  CE CEPTE ARE (COMP 2 2018-04007000000 2018-0400700000 CEOP  CE CEPTE ARE (COMP 2 2018-0400700000 CEOP  CE CEPTE ARE (COMP 2 2018-0400700000 CEOP  CE CEPTE ARE (COMP 2 2018-0400710000 CEOP  CE CEPTE ARE (COMP 2 2018-0400	CS_OFFL_SIR_IOPM_2_20180405T074312_20180405T080032_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SUPPLICATION AS 2018-0005 TIBER 2019-0005 TIBE	CS_OFFL_SIR_IOPM_2_20180405T080408_20180405T080620_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
Co. GPT_SR_CPM_2 proteotorioscop_collectoriosc	CS_OFFL_SIR_IOPM_2_20180405T082200_20180405T083346_C001		The SWH and Ocean Averaging Status Flags have been set for one or
Co., CHEL, SIRI, CHEL, 2 stratebot prostable,	CS OFFL SIR IOPM 2 20180405T083550 20180405T085140 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CRI_CPTSRI_CPM_2_2900405T10042_9100405T10053_CD1  CRCPTSRI_CPM_2_2900405T10042_9100405T10053_CD1  CRCPTSRI_CPM_2_2900405T10042_9100405T10053_CD1  CRCPTSRI_CPM_2_2900405T10042_9100405T10053_CD1  CRCPTSRI_CPM_2_2900405T10042_9100405T10053_CD1  CRCPTSRI_CPM_2_2900405T10042_9100405T10053_CD1  CRCPTSRI_CPM_2_2900405T10043_2900405T10043_CD1  CRCPTSRI_CPM_2_2900405T10043_2900405T10043_CD1  CRCPTSRI_CPM_2_2900405T1043_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T104712_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10402_2900405T10404_CD1  CRCPTSRI_CPM_2_2900405T10404_CD1  CRCPTSRI_CPM_			The Ice Backscatter Averaging Status Flag has been set for one or more
COLOFT, SRI, DOM 2, 2010446710542, 20104067113152, COLO   COLOFT, SRI, DOM 2, 2010446711320, 20104067113162, COLO   COLOFT, SRI, DOM 2, 20104467113102, 20104067113162, COLO   COLOFT, SRI, DOM 2, 20104467113102, 20104067113162, COLO   COLOFT, SRI, DOM 2, 20104467114102, COLO   COLOFT, SRI, DOM 2, 2010446		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
COUNTLE SIR, 10PM 2, 20110003T1101042 20110005T10010173 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T1010173 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T1010173 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T1010173 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T1010110 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T101010 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T101010 COID  SIM CHARLES SIR, 10PM 2, 20110003T110103D 201100005T101010 COID  SIM CHARLES SIR, 10PM 2, 20110003T10103D 201100005T101010 COID  SIM CHARLES SIR, 10PM 2, 20110003T10010 COID  SIM CHARLES SIR SIR SIR SIR SIR SIR SIR SIR SIR SI		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CB_OFFL_SRI_OPM_2_20184005T10228_2016405T10736_C001  CB_OFFL_SRI_OPM_2_20184005T10328_2016405T10736_C001  CB_OFFL_SRI_OPM_2_20184005T10332_2016405T10736_C001  CB_OFFL_SRI_OPM_2_20184005T12732_2016405T10736_C001  CB_OFFL_SRI_OPM_2_20184005T12732_2016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_2016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_2016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12733_0016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12733_0016405T12732_00001  CB_OFFL_SRI_OPM_2_20184005T12732_0016405T12733_0016405T12733_0016405T12732_0016405T12733_0016405T12733_0016405T12732_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T12733_0016405T1273_001640		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SRI_CONU_2_0100405T10333_0100405T117180_C001  CS_OFFL_SRI_CONU_2_0100405T10333_0100405T117180_C001  CS_OFFL_SRI_CONU_2_0100405T10333_0100405T119101_C001  CS_OFFL_SRI_CONU_2_0100405T10333_0100405T10404_C001  CS_OFFL_SRI_CONU_2_0100405T10333_0100405T10404_C001  CS_OFFL_SRI_CONU_2_01040405T10333_0100405T10404_C001  CS_OFFL_SRI_CONU_2_01040405T10333_01040405T10404_C001  CS_OFFL_SRI_CONU_2_01040405T10333_01040405T10404_C001  CS_OFFL_SRI_CONU_2_01040405T10333_01040405T10404_C001  CS_OFFL_SRI_CONU_2_01040405T10333_01040405T10404_C001  CS_OFFL_SRI_CONU_2_01040405T10404_C001  CS_OFFL_SRI_CONU_2_01040			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_LOPM_2_20180405T110280_20180405T121011_C001  CS_OFFL_SIR_LOPM_2_20180405T121020_20180405T121011_C001  CS_OFFL_SIR_LOPM_2_20180405T12205_20180405T121014_C001  CS_OFFL_SIR_LOPM_2_20180405T12205_20180405T121014_C001  CS_OFFL_SIR_LOPM_2_20180405T12205_20180405T12014_C001  CS_OFFL_SIR_LOPM_2_20180405T12205_20180405T12014_C001  CS_OFFL_SIR_LOPM_2_20180405T12205_20180405T12014_C001  CS_OFFL_SIR_LOPM_2_20180405T12015_20180405T12014_C001  CS_OFFL_SIR_LOPM_2_20180405T12015_20180405T12014_C001  CS_OFFL_SIR_LOPM_2_20180405T12015_20180405T12014_C001  CS_OFFL_SIR_LOPM_2_20180405T12015_20180405T12015_20180405T12016_C001  ES_OFFL_SIR_LOPM_2_20180405T12015_20180405T14015_20180405T04005_20180405T12016_C001005T120			The Ice Backscatter Averaging Status Flag has been set for one or more
Sackstratic Averaging Status  G. GPFL_SIR_IOPM_2_20180406711200_20180406712010_0001  Sackstratic Averaging Status  Figs. IOPM_2_201804067121712_201804067122040_0001  Sackstratic Averaging Status  Figs. IOPM_2_201804067121712_201804067122040_0001  Sackstratic Averaging Status  Sackstratic Averaging Status  Figs. IOPM_2_201804067121712_201804057122040_0001  Sackstratic Averaging Status  Sackstra		SWH Averaging Status, Ocean	
Seg. CPFL_SIR_CPM_2_20100405T12251_20104005T122540_C001  Los Backscatter Averaging Status The De Daddocatter Averaging Status Flag has been set for one or more records.  Seg. CPFL_SIR_CPM_2_20104065T12252_2010405T122540_C001  Los Backscatter Averaging Status Coverage Status Flag has been set for one or more records.  SWM Averaging Status Coverage Status Flag has been set for one or more records.  SWM Averaging Status Coverage Status Flag has been set for one or more records.  SWM Averaging Status Coverage Status Flag has been set for one or more records.  SWM Averaging Status Coverage Status Flag has been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Averaging Status Coverage Status Flag have been set for one or more records.  SWM Avera		Backscatter Averaging Status	more records.
See CPFL_SRI_CPML_2_20180405T125128_20180405T125148_C001  SSPEN_SRI_CPML_2_20180405T132513_20180405T125148_C001  SSPEN_SRI_CPML_2_20180405T132513_20180405T134033_C001  SSPEN_SRI_CPML_2_20180405T132513_20180405T134033_C001  SSPEN_SRI_CPML_2_20180405T132513_20180405T134033_C001  SSPEN_SRI_CPML_2_20180405T13403_20180405T13403_C001  SSPEN_SRI_CPML_2_20180405T13403_20180405T13403_C001  SSPEN_SRI_CPML_2_20180405T13403_20180405T13403_C001  SSPEN_SRI_CPML_2_20180405T13403_20180405T13403_C001  SSPEN_SRI_CPML_2_20180405T13403_C001  SSPEN_SRI_CPML_2_20180405T13603_C001  SSPEN_SRI_CPML_2_20180405T12033_C001  SSPEN_SRI_CPML_2_20180405T12033_C001  SSPEN_SRI_CPML_2_20180405T12033_C001		Backscatter Averaging Status	more records.
SO PFIL_SRI_CPML_20180405113233 20180405113603_C001  CS_OFFIL_SRI_CPML_20180405113513_20180405113603_C001  CS_OFFIL_SRI_CPML_20180405113503_0180405113603_C001  CS_OFFIL_SRI_CPML_20180405113503_0180405113603_C001  CS_OFFIL_SRI_CPML_20180405113603_C001  CS_OFFIL_SRI_CPML_20180405113603_0180405114031_C001  CS_OFFIL_SRI_CPML_20180405113603_C001  CS_OFFIL_SRI_CPML_201804051160323_C001  CS_OFFIL_SRI_CPML_201804051160323_C001  CS_OFFIL_SRI_CPML_201804051160323_C001  CS_OFFIL_SRI_CPML_20180405170333_C001  CS_OFFIL_SRI_CPML_20180405170333_C001  CS_OFFIL_SRI_CPML_2018			records.
Backscatter / weraging Status   more records.			records.
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SC OFFL_SIR_JOPM_2 20180405T14921_20180405T14931_CO01  SWH Averaging Status Decan SWH Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean SWH Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean SWH Averaging Status SWH Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean SWH Averaging Status Cean Backscatter Averaging Status Cean Backscatter Averaging Status Cean Backscatter Averaging Status Cean Backscatter Averaging Status SWH Averaging Status Cean Backscatter Averaging Status SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Plags have been set for one or more records.  SWH Averaging Status Cean Backscatter		Backscatter Averaging Status	more records.
Backscatter /weraging Status   So CPFL_SIR_JOPM_2_20180405114391_20180405114393_C001   So CPFL_SIR_JOPM_2_20180405115301_20180405115303_C001   So CPFL_SIR_JOPM_2_20180405115301_20180405115303_C001   So GPFL_SIR_JOPM_2_20180405115301_20180405115303_C001   So GPFL_SIR_JOPM_2_20180405115301_20180405115303_C001   So GPFL_SIR_JOPM_2_20180405115301_20180405115303_C001   So GPFL_SIR_JOPM_2_20180405116300_C001   So GPFL_SIR_JOPM_2_20180405116300_C001   So GPFL_SIR_JOPM_2_20180405116300_C001   So GPFL_SIR_JOPM_2_20180405116300_C001   So GPFL_SIR_JOPM_2_20180405117021_20180405117030_C001   So GPFL_SIR_JOPM_2_20180405117021_20180405117030_C001   So GPFL_SIR_JOPM_2_20180405118000_20180405118030_C001   So GPFL_SIR_JOPM_2_20180405118000_20180405118030_C001   So GPFL_SIR_JOPM_2_20180405118000_20180405118000_C001   So GPFL_SIR_JOPM_2_201804051203000_C001   So GPFL_SIR_JOPM_2_201804051203	CS_OFFL_SIR_IOPM_2_20180405T135103_20180405T135603_C001		records.
SOFFL_SIR_IOPM_2_20180405T18204_20180405T182032_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182032_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182052_D180405T18046_COID  SOFFL_SIR_IOPM_2_20180405T182052_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T182052_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T182052_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180206_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180205_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180205_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180205_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T180205_D180405T180405_COID  SOFFL_SIR_IOPM_2_20180405T18044_D180405T200817_COID  SOFFL_SIR_IOPM_2_20180405T18044_D180405T200817_COID  SOFFL_SIR_IOPM_2_20180405T18044_D180405T200817_COID  SOFFL_SIR_IOPM_2_20180405T18044_D180405T200817_COID  SOFFL_SIR_IOPM_2_20180405T203417_D180405T200817_COID  SOFFL_SIR_IOPM_2_20180405T203417_D180405T200816_COID  SOFFL_SIR_IOPM_2_20180405T203417_D180405T203341_DI80405T2	CS_OFFL_SIR_IOPM_2_20180405T140229_20180405T141415_C001	Backscatter Averaging Status	more records.
SOFFL_SIR_IOPM_2_20180405T15310_20180405T15345_C001  SOFFL_SIR_IOPM_2_20180405T154146_20180405T1545_C001  SOFFL_SIR_IOPM_2_20180405T164402_20180405T16454_C001  SOFFL_SIR_IOPM_2_20180405T164401_20180405T170841_C001  SOFFL_SIR_IOPM_2_20180405T164401_20180405T170841_C001  SOFFL_SIR_IOPM_2_20180405T164401_20180405T170841_C001  SOFFL_SIR_IOPM_2_20180405T164401_20180405T170842_C001  SOFFL_SIR_IOPM_2_20180405T182086_20180405T18538_C001  SOFFL_SIR_IOPM_2_20180405T182086_20180405T186402_C001  SOFFL_SIR_IOPM_2_20180405T182086_20180405T186402_C001  SOFFL_SIR_IOPM_2_20180405T182082_20180405T186402_C001  SOFFL_SIR_IOPM_2_20180405T182082_20180405T186402_C001  SOFFL_SIR_IOPM_2_20180405T182082_20180405T1864004_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1865_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820817_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820817_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820817_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820817_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820334_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820334_C001  SOFFL_SIR_IOPM_2_20180405T182335_20180405T1820334_C001  SOFFL_SIR_IOPM_2_20180405T182042_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203344_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203344_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203442_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203442_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203442_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203442_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T203442_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20180405T20345_20180405T203345_C001  SOFFL_SIR_IOPM_2_20	CS_OFFL_SIR_IOPM_2_20180405T141951_20180405T143731_C001	Backscatter Averaging Status	more records.
Syn Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  Syn Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  Syn Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  Syn Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  Syn Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  Syn Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  Syn Averaging Status Coean Backscatter Averaging Status Coean Backsca	CS_OFFL_SIR_IOPM_2_20180405T152249_20180405T152921_C001		more records.
Backscatter Averaging Status  OS_OFFL_SIR_IOPM_2_20180405T162839_20180405T170841_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter	CS_OFFL_SIR_IOPM_2_20180405T153101_20180405T153635_C001		records.
Sey FFL SIR _ IOPM 20180405T19630 20180405T197081_C001  Sey Backscatter Averaging Status. Cocan more records.  Sey FFL SIR _ IOPM 20180405T171021_20180405T17530_C001  Sey Backscatter Averaging Status. Cocan more records.  Sey FFL SIR _ IOPM 20180405T171021_20180405T17530_C001  Sey FFL SIR _ IOPM 20180405T172051_20180405T17530_C001  Sey FFL SIR _ IOPM 20180405T182006_20180405T18203_C001  SWH Averaging Status. Cocan more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging St	CS_OFFL_SIR_IOPM_2_20180405T154146_20180405T161554_C001	Backscatter Averaging Status	more records.
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_2018040517171021_201804051717530_C001  Ioe Backscatter Averaging Status  The Loe Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flag have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status Flag have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status Flag have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging	CS_OFFL_SIR_IOPM_2_20180405T162939_20180405T163046_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180405T172051_20180405T18206_2018  SWH Averaging Status. Ocean Backscatter Averaging Status. Cocan Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Staps Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags Status Flags have been set for one or more records.  SWH Averaging Status Flags flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averag	CS_OFFL_SIR_IOPM_2_20180405T164901_20180405T170841_C001		more records.
Backscatter Averaging Status Flags have been set for one or more records.  SPEC SOFFL SIR JOPM 2_20180405T182062_0180405T184302_C001  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SOFFL SIR JOPM 2_20180405T184064_20180405T184302_C001  SWH Averaging Status Coean Backscatter Averaging Status Status Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Status Coean Backscatter Averaging Status Status Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status	CS_OFFL_SIR_IOPM_2_20180405T171021_20180405T171530_C001		records.
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Backscatter Averaging Status  SWH Averaging	CS_OFFL_SIR_IOPM_2_20180405T182006_20180405T182433_C001		
SOFFL_SIR_IOPM_2_20180405T191820_20180405T191855_C001  Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set	CS_OFFL_SIR_IOPM_2_20180405T182522_20180405T184302_C001	0 0	
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SWH Averaging Status. Ocean Backscatter Averaging Status. Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20180405T195044_20180405T20351_CO01  SWH Averaging Status. Ocean Backscatter Averaging Status SWH Averaging Status. Ocean Backscatter Averaging Status. Ocean Backscatter Averaging Status. Ocean Backscatter Averaging Status SWH Averaging Status SWH Averaging Status. Ocean Backscatter Averaging Status SWH Averaging Status. Ocean Backscatter Averaging Status SWH Averag	CS_OFFL_SIR_IOPM_2_20180405T190122_20180405T191855_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averagi	CS_OFFL_SIR_IOPM_2_20180405T192335_20180405T193047_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SWH Averaging Status (Dean Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T203141_20180405T203344_C001  CS_OFFL_SIR_IOPM_2_20180405T203141_20180405T203344_C001  CS_OFFL_SIR_IOPM_2_20180405T203447_20180405T203846_C001  CS_OFFL_SIR_IOPM_2_20180405T203447_20180405T205803_C001  CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T205603_C001  CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T210727_C001  CS_OFFL_SIR_IOPM_2_20180405T215537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T215537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T215535_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T215336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T215336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T220226_20180405T221539  CS_OFFL_SIR_IOPM_2_20180405T220226_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T220345_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T220345_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T23158_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T23158_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T23158_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T235863_C001  CS_OFFL_SIR_IOPM_2_20180405T23158_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T235158_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T235158_20180405	CS_OFFL_SIR_IOPM_2_20180405T195044_20180405T200817_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T203141_20180405T203344_C001  Ice Backscatter Averaging Status  Ice Backscatter A	CS_OFFL_SIR_IOPM_2_20180405T200948_20180405T202351_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T203447_20180405T203846_C001  CS_OFFL_SIR_IOPM_2_20180405T204024_20180405T205603_C001  CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T2177Z_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T214628_C001  CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T215333_C001  CS_OFFL_SIR_IOPM_2_20180405T215336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T220226_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220245_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T220345_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223515_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223515_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223515_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223515_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223515_C001  CS_OFFL_SIR_IOPM_2_20180405T223568_20180405T223553_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T22138_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T23568_20180405T223553_C001  CS_OFFL_SIR_IOPM_2_20180405T23568_20180405T223553_C001  CS_OFFL_SIR_IOPM_2_20180405T23568_20180405T223551_C001  CS_OFFL_SIR_IOPM_2_20180405T23568_20180405T23568_20001  CS_OFFL_SIR_IOPM_2_20180405T	CS_OFFL_SIR_IOPM_2_20180405T203141_20180405T203344_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180405T204024_20180405T205603_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T21772_C001  Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T214628_C001  CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T214628_C001  CS_OFFL_SIR_IOPM_2_20180405T215336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T22026_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T22026_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220945_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T235515_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235553_C001  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have b	CS_OFFL_SIR_IOPM_2_20180405T203447_20180405T203846_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T210727_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T214628_C001  CS_OFFL_SIR_IOPM_2_20180405T213536_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T22026_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T22026_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220245_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220345_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T220388_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221338_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221338_20180405T235583_C001  CS_OFFL_SIR_IOPM_2_20180405T221338_20180405T235583_C001  CS_OFFL_SIR_IOPM_2_20180405T221338_20180405T235583_C001  CS_OFFL_SIR_IOPM_2_20180405T235588_20180405T235583_C001  CS_OFFL_SIR_IOPM_2_20180405T235588_20180405T235583_C	CS_OFFL_SIR_IOPM_2_20180405T204024_20180405T205603_C001		The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001  CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T214628_C001  CS_OFFL_SIR_IOPM_2_20180405T215336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T225336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T220226_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220245_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T220345_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T220345_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221338_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221338_20180405T235582_C001  CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T235582_C001  CS_OFFL_SIR_IOPM_2_20180405T235588_20180405T235583_C001  CS_OFFL_SIR_IOPM_2_20180405T235588_20180405T235583_	CS_OFFL_SIR_IOPM_2_20180405T205804_20180405T210727_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T213518_20180405T214628_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Status, Ocean Backscatter Averaging Status Sta	CS_OFFL_SIR_IOPM_2_20180405T212537_20180405T212642_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180405T215336_20180405T215533_C001  CS_OFFL_SIR_IOPM_2_20180405T220266_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220245_20180405T220639_C001  CS_OFFL_SIR_IOPM_2_20180405T220945_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T23515_C001  CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T235558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS_OFFL_SIR_IOPM_2_20180405T23558_20180405T235532_C001  CS			The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T22026_20180405T220639_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T220945_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T221748_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T234551_C001  CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T234551_C001  CS_OFFL_SIR_IOPM_2_20180405T235158_20180405T235632_C001  CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235632_C001  CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235632_C001  CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235632_C001  CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235632_C001		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T220945_20180405T221748_C001  Ice Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T234551_C001  CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T235632_C001  CS_OFFL_SIR_IOPM_2_20180405T235588_20180405T235632_C001  CS_OFFL_SIR_IOPM_		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180405T221938_20180405T223511_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180405T231158_20180405T234551_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status  The loe Backscatter Averaging Status Flag has been set for one or more records.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status more records.  CS_OFFL_SIR_IOPM_2_20180405T235058_20180405T235632_C001   Ice Backscatter Averaging Status   The Ice Backscatter   The Ice Backscatter   The Ice Backscatter   The Ice Ba		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
records.			The Ice Backscatter Averaging Status Flag has been set for one or more
	000	.55 Sas. Souther Averaging Status	records.

CS_OFFL_SIR_IOPN_2_20180405T121706_20180405T121712_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T093910_20180405T094034_C001		The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T153954_20180405T154146_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T163729_20180405T164008_C001		The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180405T191855_20180405T192335_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

### 5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

## 6. IOP L2 Pole-to-Pole Data Quality Check

### **6.1 P2P Product Format Check**

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).

Number of products with errors:

#### 6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

# 6.3 P2P Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

### 6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Number of products with errors:

#### 6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

## 6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180404T235300_20180405T004238_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T004238_20180405T013214_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T013214_20180405T022152_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T022152_20180405T031127_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T031127_20180405T040105_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T040105_20180405T045041_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T045041_20180405T054019_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T054019_20180405T062954_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T062954_20180405T071932_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T071932_20180405T080908_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T080908_20180405T085846_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T085846_20180405T094822_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T094822_20180405T103759_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T103759_20180405T112735_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T112735_20180405T121713_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T121713_20180405T130649_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T130649_20180405T135627_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T135627_20180405T144602_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T144602_20180405T153540_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T153540_20180405T162516_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2_20180405T162516_20180405T171454_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T171454_20180405T180429_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T180429_20180405T185407_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T185407_20180405T194343_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T194343_20180405T203321_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T203321_20180405T212256_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T212256_20180405T221234_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T221234_20180405T230210_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T230210_20180405T235148_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180405T235148_20180406T004124_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

### 6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Test Failed	Description
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Sta

CS_OFFL_SIR_IOP_220180405T185407_20180405T194343_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T194343_20180405T203321_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T203321_20180405T212256_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T212256_20180405T221234_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T221234_20180405T230210_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T230210_20180405T235148_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180405T235148_20180406T004124_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors: 26		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180404T235300_20180405T004238_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T004238_20180405T013214_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T013214_20180405T022152_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T022152_20180405T031127_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T040105_20180405T045041_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T045041_20180405T054019_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T054019_20180405T062954_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T062954_20180405T071932_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T071932_20180405T080908_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T080908_20180405T085846_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T085846_20180405T094822_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T103759_20180405T112735_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T112735_20180405T121713_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T121713_20180405T130649_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T130649_20180405T135627_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T144602_20180405T153540_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T153540_20180405T162516_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T162516_20180405T171454_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T171454_20180405T180429_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T180429_20180405T185407_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T185407_20180405T194343_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T194343_20180405T203321_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T203321_20180405T212256_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T212256_20180405T221234_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T221234_20180405T230210_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180405T230210_20180405T235148_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.